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| **Lesson Title: A TRIP TO THE CANDY SHOP ( Fractions, Decimals, and Percents)** |
| **Subject area / course / grade level: 4TH, 5TH, AND 6TH** |
| **Introduction: The students will gain understanding in comparing fractions, decimals, and percents** |
| **Lesson Length: 60 – 75 minutes** |
| **Materials: Books = If America Were a Village and If the World Were a Village**  **Candy Store sheets, Equivalent Squares Game, Powerpoint, Village worksheets, calculators** |
| **Lesson Overview:**  **The students will be able to convert simple decimals into fractions and percents.** |
| **Tennessee Standards:**  4th - SPI 0406.2.5 Generate equivalent forms of common fractions and decimals and use them to compare size.  5th - SPI 0506.2.7 Recognize equivalent representations for the same number.  6th - SPI 0606.2.5 Transform numbers from one form to another (fractions, decimals, percents, and mixed numbers). |
| **Lesson objective(s):**  **TLW:** Demonstrate an understanding of equivalent conversions (decimals, fractions, and percents). |
| **ENGAGEMENT**   * Ask the students who wants to have CANDY?? Tell them they are going to be given 100 pennies to spend in the Candy Shop. They must buy between 5 to 8 different candy treats and their purchases must add up to 100 pennies exactly. Hand out the candy list and have them circle/shade in with different color crayons the amount of pennies needed for the candy treats on the penny chart. Have the students shade or circle as they are doing it, so they can see how close they are to using 100 pennies. We will come back to finish this activity at the end of the lesson. |
| **EXPLORATION**   * Get the students into groups of 4-5 to play Equivalent Dominoes. (rules in the attachment - calculators are optional) Allow the groups to play the game for 10 -15 minutes. * Read p. 17 from the book If America Were a Village. Hand out the worksheet “What do We Do?” As a class, fill in and discuss the worksheet. (converting decimals, fractions, and percents) Have them color the boxes using different colors before doing the worksheet. (example – the school might be represented with green, employed = red, and so on) |
| **EXPLANATION**   * Show the powerpoint on decimals, fractions, and percents to the class * Play a few rounds from the website games – calculators are optional. * **<http://www.mathplayground.com/Decention/Decention_IWB.html>** * [**http://www.math-play.com/Changing-Fractions-and-Decimals-to-Percents/changing-fractions-and-decimals-to-percents-millionaire.html**](http://www.math-play.com/Changing-Fractions-and-Decimals-to-Percents/changing-fractions-and-decimals-to-percents-millionaire.html) |
| **ELABORATION**   * Complete as a class the worksheet on Nationalities using p. 8 from If the World Were a Village. Tie in Socail Studiues by using a map and adding stick-it notes with the percent/fraction/decimal to the areas listed. * Have the students get back into groups to do p. 19 from If America Were a Village. Have the groups do both the U.S. and the World to see the comparisons. (Display the page on the projector so all groups can see it) |
| **EVALUATION**   * Hand out the second sheet for the Candy Shop. Have each student complete this sheet according to their candy choices from earlier in the lesson. * Candy treats for the completed charts! ☺ |